

13. An X-ray inspection apparatus according to Claim 6, wherein the straight line to be the central axis and the axis of rotation is set to be vertical to a stage on which the sample is placed.

14. An X-ray inspection apparatus according to Claim 6, comprising a sliding mechanism whereby the X-ray detecting means is slid in a direction vertical to the X-ray incidence plane.

15. An X-ray inspection apparatus according to Claim 7, comprising a sliding mechanism whereby the X-ray detecting means is slid in a direction vertical to the X-ray incidence plane.

16. An X-ray inspection apparatus according to Claim 8, comprising a sliding mechanism whereby the X-ray detecting means is slid in a direction vertical to the X-ray incidence plane.

17. An X-ray inspection apparatus according to Claim 6, comprising a stage transfer means for two-dimensionally transferring a stage on which the sample is placed.

18. An X-ray inspection apparatus according to Claim 7, comprising a stage transfer means for two-dimensionally transferring a stage on which the sample is placed.

19. An X-ray inspection apparatus according to Claim 8, comprising a stage transfer means for two-dimensionally transferring a stage on which the sample is placed.

20. An X-ray inspection apparatus according to Claim 9, comprising a stage transfer means for two-dimensionally transferring a stage on which the sample is placed.--